

ABSTRACT OF THE DISCLOSURE

The present invention provides a dynamo-electric machine that suppresses vibrations caused by imbalance due to electromagnetic forces and that also suppresses imbalance in magnetic attraction forces generated owing to the difference in the number of coil portions among electric circuit portions. This dynamo-electric machine comprises an armature having a winding consisting of a plurality of coil portions each formed by lap-winding a conductor between a corresponding pair of slots formed in an outer circumferential surface portion of a core fixed to a shaft in such a way as to extend in an axial direction thereof, a commutator fixed to an end portion of the shaft and having a plurality of segments to which both end sections of said coil portions are electrically connected, brushes made to respectively abut against the surfaces of the segments of the commutator, and equalizers for connecting said segments, which are to be at equal electric potential, to each other. Moreover, the coil portions are parallel-connected to one another between the segments, and disposed in such a manner as to be symmetrical with respect to a mechanical angle of 360 degrees.